

FIG. 1

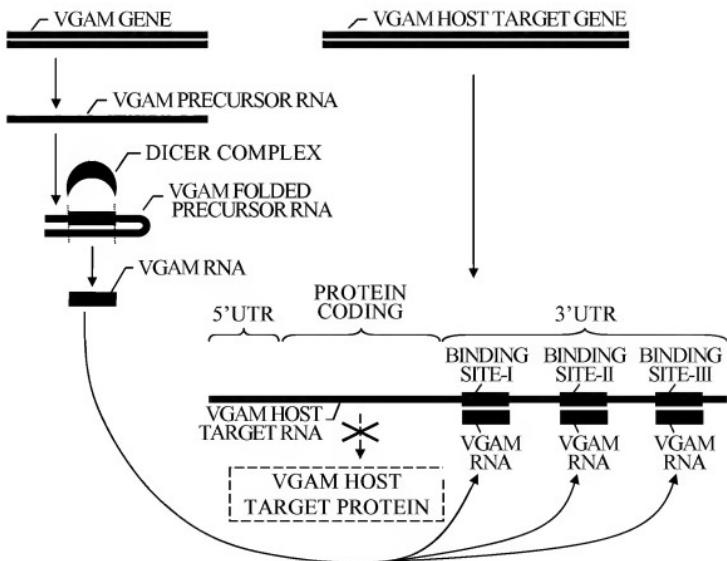


FIG. 2

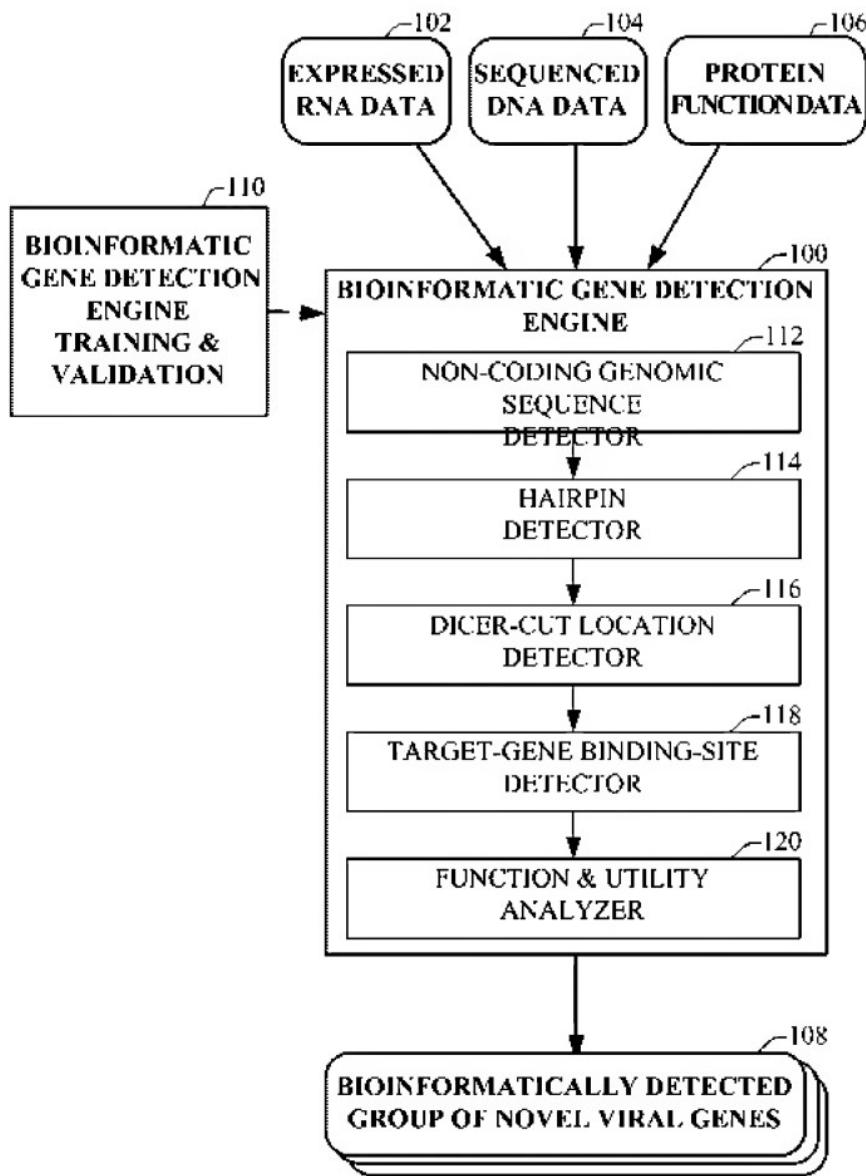


FIG. 3

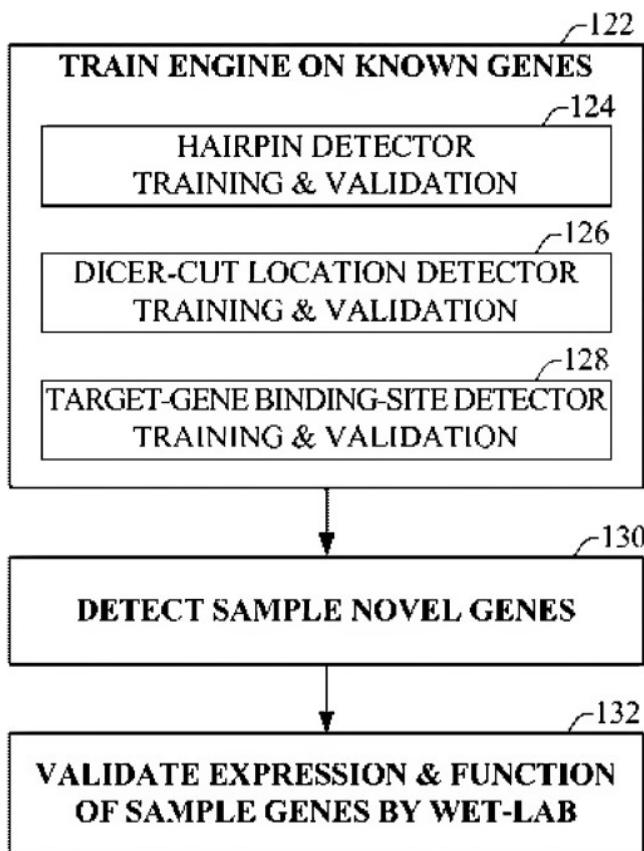


FIG. 4A

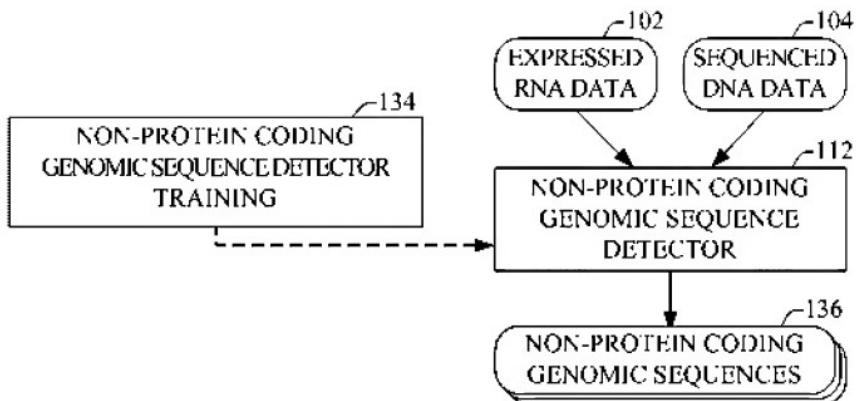


FIG. 4B

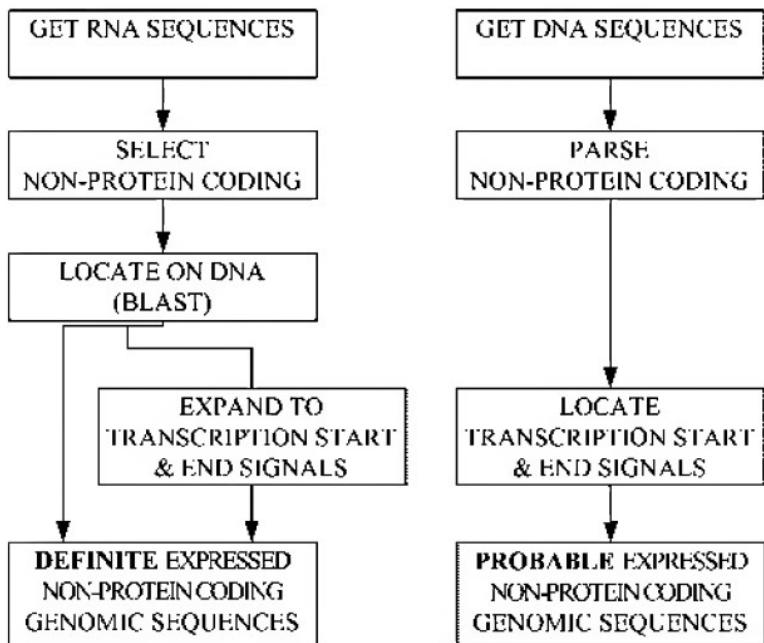


FIG. 5A

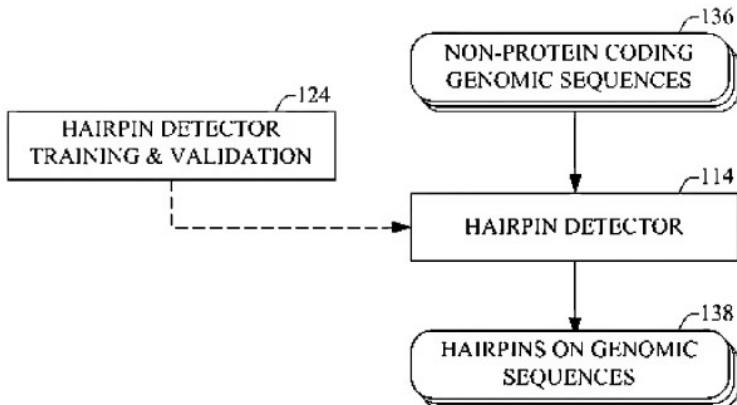


FIG. 5B

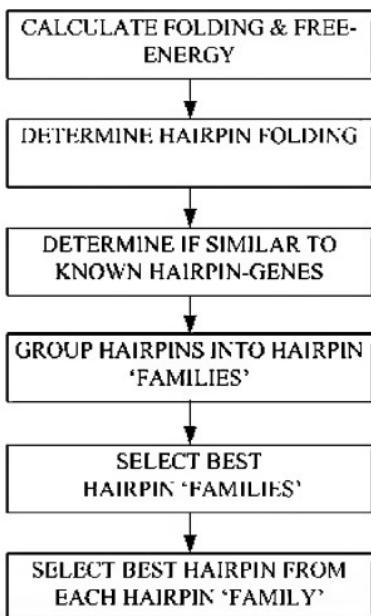


FIG. 6A

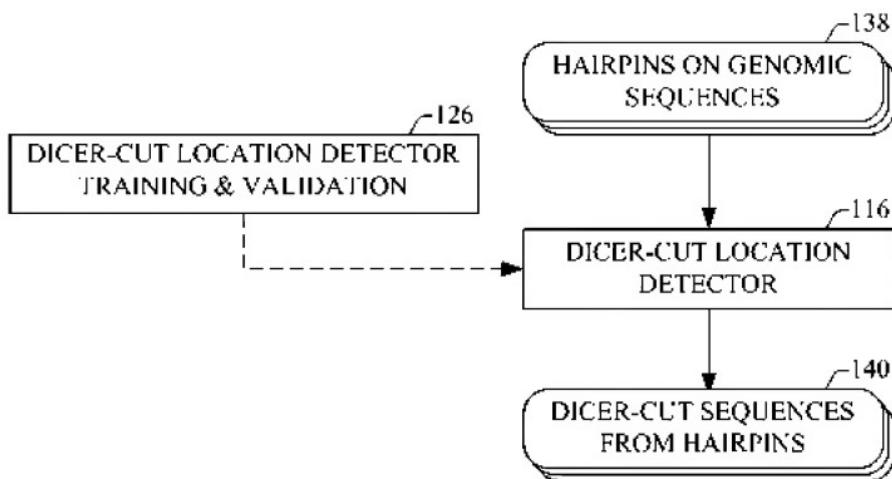


FIG. 6B

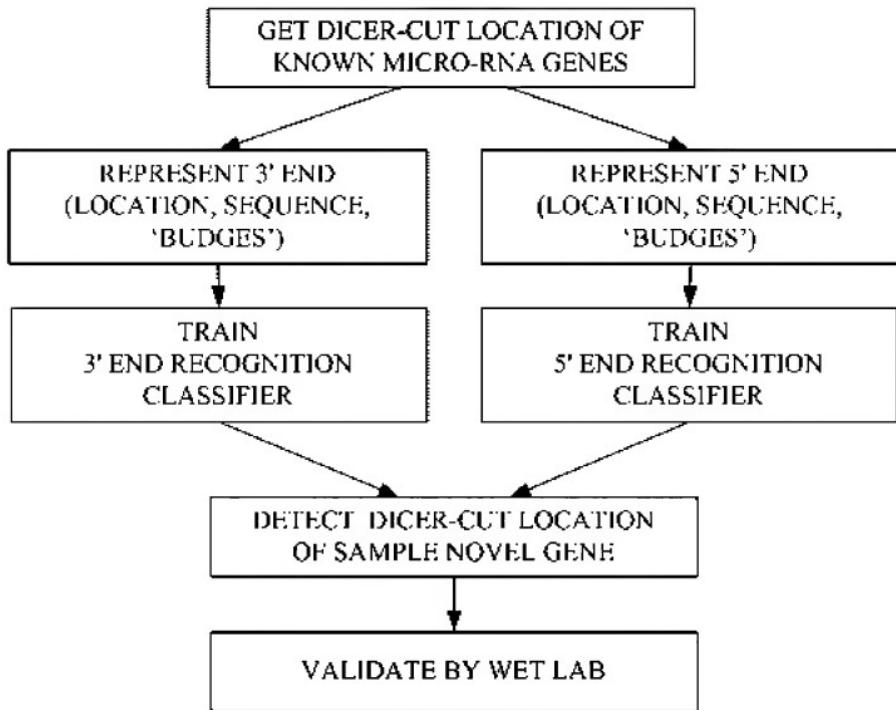


FIG. 6C

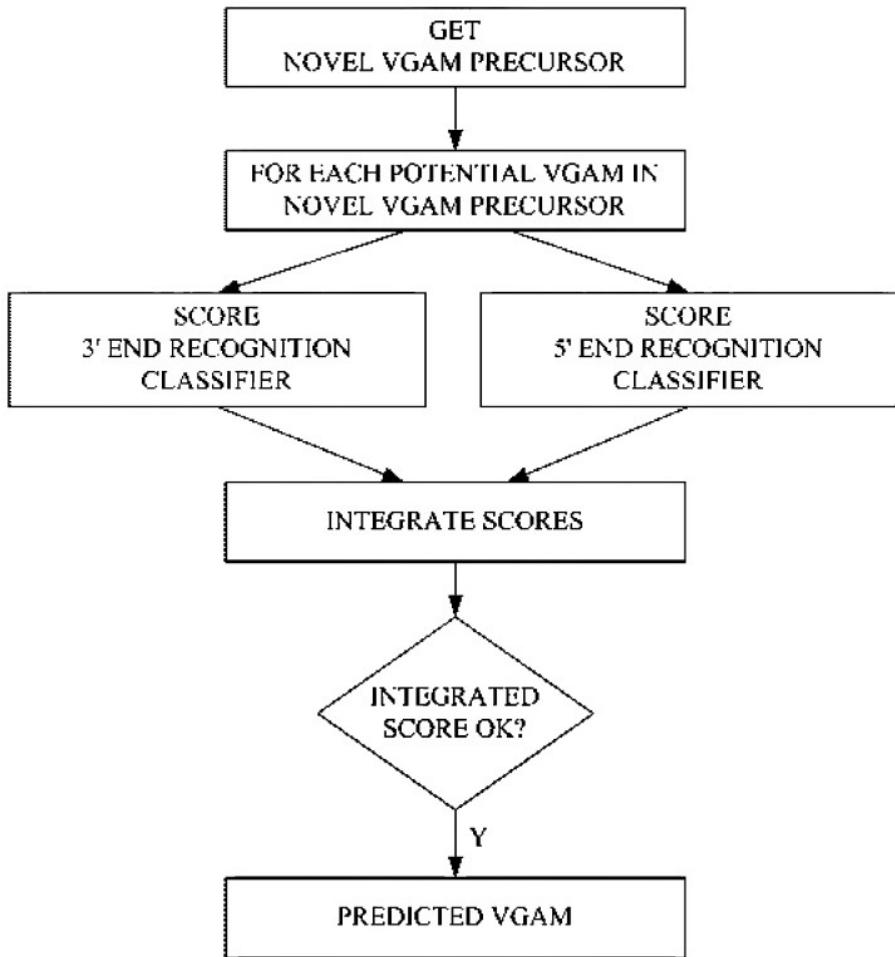


FIG. 7A

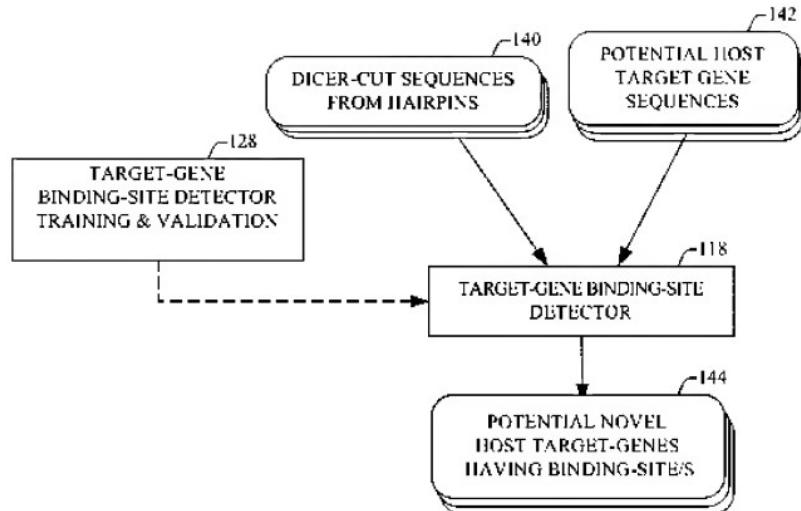


FIG. 7B

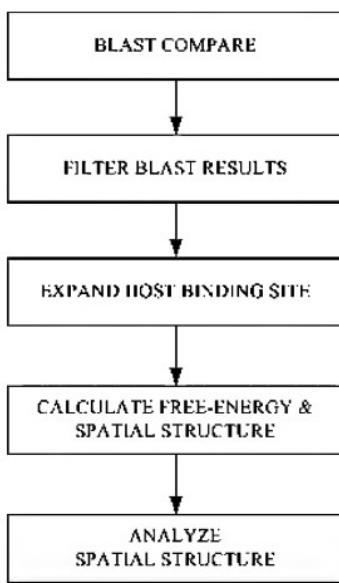


FIG. 8

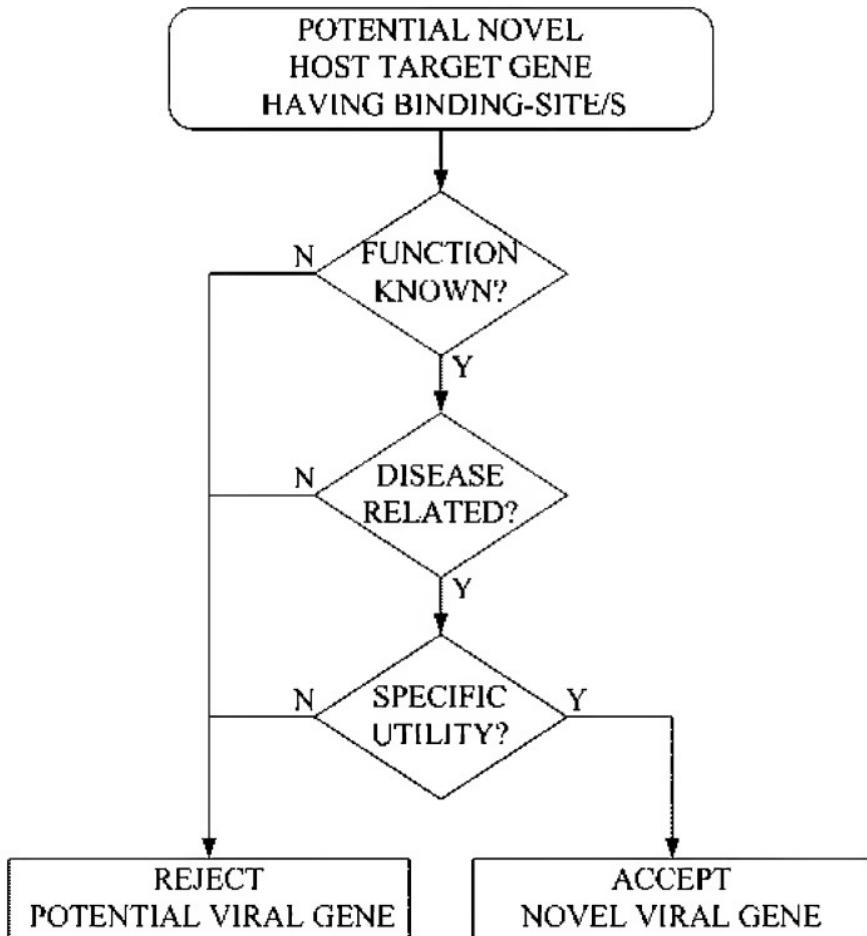


FIG. 9

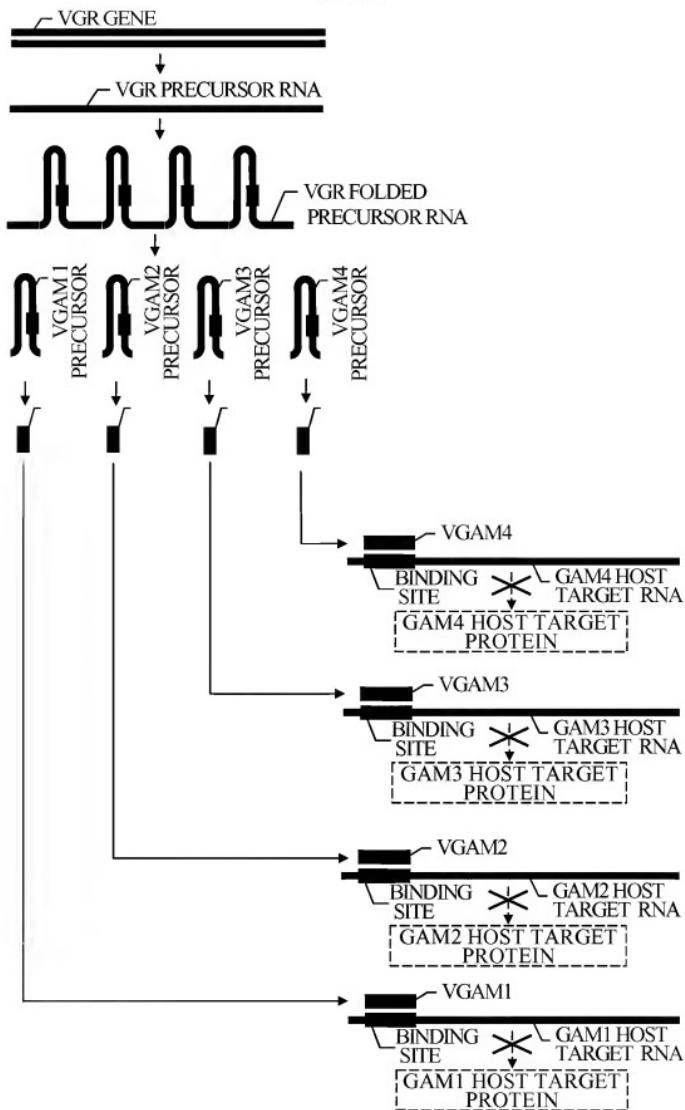


FIG. 10

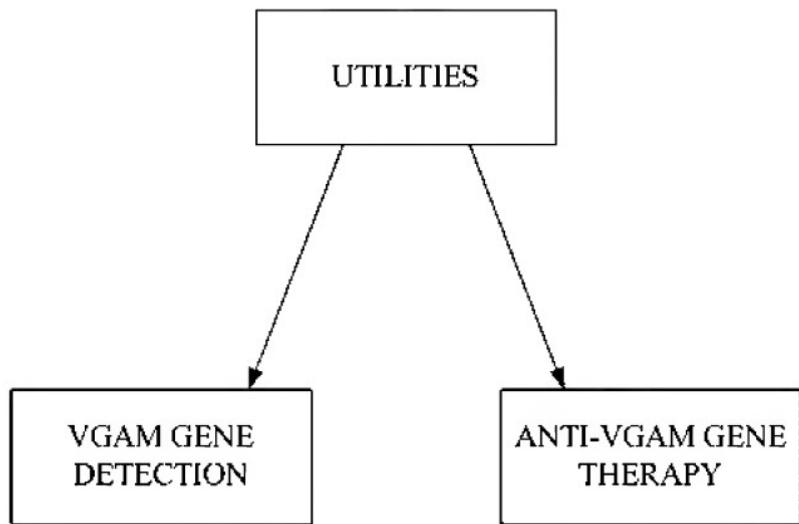


FIG. 11A

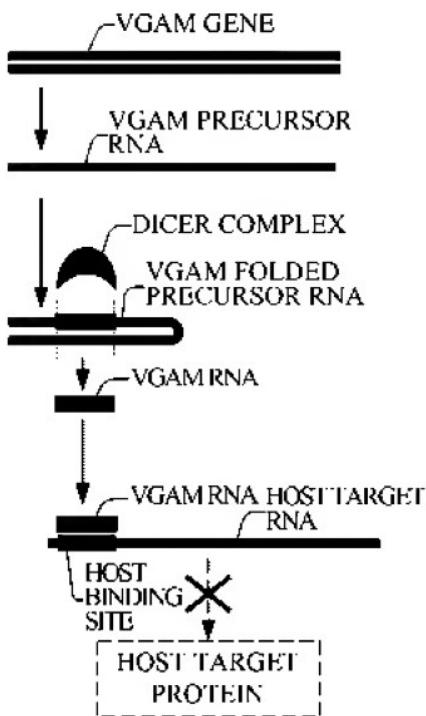
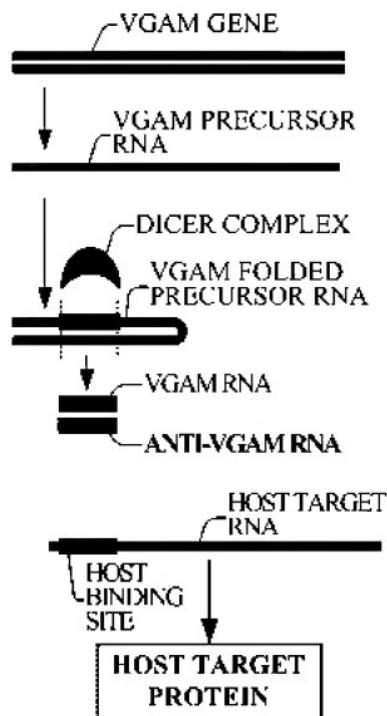


FIG. 11B



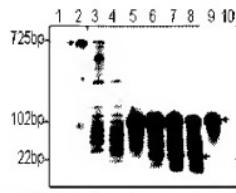
EST72223 sequence:

FIG. 12A
CCCTTATTAGAGGATTCTGCTCATGCCAGGGTGAGGTAGTAAGTTGATTTGCGAGCTGGGGTAGGGATTAGGCCCAATTAGAAAGATAACTATACAACCTTACTTCCCTGGTGTGTCATGCCAGGGTGAGGTAGTAAGTTGCGAGCTGGGGTAGGGATTAGGCCCAATTAGAAAGATAACTATGAGGCGAGATGTCATTAAAGTGAACCTGTCATTGCTATTGAGCATAATAATTATTTACCTTGGGCATGAACCTCATTTGCTATTCTTCACACGTGTAATGATTGCGATTTATTAGTAATAGAACAGGAATGTGTCAGGAGAATGGAAAGCATACCTTAAGAAATTGGGCCAGGGCGAGCGCGGTGAGTCACTGGAGGTAGGGAGTTCGAGACCAACCTGGCCAACACGGCGAAACCCGGCTCTACTCAAATAAAAAATTAGCGAGCTTGGGTGACACTCGCTGTGGTCCAGCTACTCGAGGCTGAGGAGGAGAATTGGCTTGAACCCAGGAAGTGGAGGCTTCACTGAGCTGAGAACACGCCACTGCACTCCAGTCCTGGCACAGAGCAAGACTCTGTCAGGAAAAAGAG

MIR98

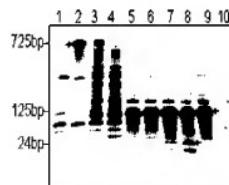
GAM24

FIG. 12B



	Lysate-S100	+	+	+	+	+	+	+	+	+
EST72223	-	+	+	*	-	-	-	-	-	-
MgSO ₄	-	-	-	+	+	+	+	+	+	+
Time (h)	24	0	4	24	0	1	4	24	24	EDTA
EDTA	-	-	-	-	-	-	-	-	-	+

FIG. 12C



	Lysate-S100	+	+	+	+	+	+	+	+	+
EST72223	-	+	+	-	-	-	-	-	-	-
β ₄	-	-	-	-	-	-	-	-	-	-
Tme (h)	24	0	4	24	0	0.5	1	24	24	EDTA
EDTA	-	-	-	-	-	-	-	-	-	+

MIR98

GAM24

FIG. 12D

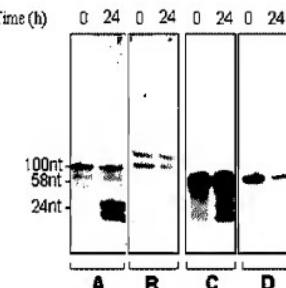


FIG. 13A

dbEST Id. 7929020 (Image4514344) sequence:

GC~~AAA~~AAACTGGAGCATTCCCTTGA~~AA~~ACTGSSC~~AC~~AGACAGGGATGCCCTCT
 CTCACCCCTCTTATTCA~~AA~~CATACTCTTCCAACTTCTGCCCACGGGAT~~CC~~CT
 GGAGA~~GGG~~AA~~TT~~AA~~GGG~~GTATTCA~~AA~~GAGA~~GGG~~CA~~AA~~GT~~CC~~AA~~TT~~TAGCCA
 G~~TTT~~SC~~AG~~ATG~~AC~~ATG~~AT~~ATAT~~AT~~ATAG~~AA~~CCCCAT~~TT~~CTC~~AC~~SC~~CC~~AA~~AA~~
 TCTCCTTA~~AC~~CTG~~AT~~A~~AA~~CCACTTCA~~CC~~AA~~AC~~CTG~~AG~~AT~~AA~~AA~~AA~~ATCT
 AC~~AAA~~AT~~AC~~CA~~AA~~SC~~AT~~CT~~AC~~AC~~CC~~AA~~AC~~AG~~AA~~AA~~AC~~AG~~CC~~AA~~AA~~ATCA
 TG~~AG~~ST~~GA~~T~~AC~~T~~CC~~CA~~TC~~AC~~AA~~AT~~GT~~CC~~AA~~AG~~AA~~AT~~AC~~CT~~AG~~GA~~TC~~
 AACTTACA~~AC~~GG~~GT~~GT~~GA~~AG~~AC~~CT~~CT~~CA~~AC~~GG~~GA~~ACT~~AC~~AA~~AC~~ACT~~GC~~CT~~CA~~
 AG~~GG~~AA~~AA~~AA~~GG~~AG~~AT~~CA~~AA~~AA~~CA~~AT~~TG~~GA~~AG~~AC~~AT~~CC~~AT~~GT~~CT~~CA~~TG~~GG~~TA~~
 GA~~AG~~AT~~CA~~AT~~AT~~TS~~GA~~AT~~TT~~SG~~CC~~CA~~TC~~ACT~~SC~~CC~~AA~~AG~~ST~~AT~~TT~~CA~~AG~~AT~~TC~~
 AT~~GC~~CA~~TC~~CC~~CC~~CA~~TC~~AC~~AC~~CT~~AC~~AA~~AT~~GT~~AC~~TT~~CT~~CA~~CA~~GA~~AT~~CC~~AA~~AA~~AA~~ACT~~A~~
 CT~~TT~~AA~~GG~~TT~~CA~~T~~AT~~GG~~AA~~AC~~CC~~AA~~AA~~AG~~GG~~CC~~CC~~AT~~CG~~CC~~AA~~GT~~CA~~AT~~CT~~AA~~A~~
GCC~~AA~~AG~~AC~~AC~~AA~~ANG~~CT~~GG~~AG~~GC~~AT~~CA~~CA~~CT~~AC~~CT~~GA~~CT~~CA~~AA~~CT~~TT~~AC~~TC~~AA~~ GAM23
AG~~GG~~CT~~AC~~TA~~AA~~AA~~AC~~CC~~AT~~CT~~CT~~ACT~~CT~~CA~~CC~~AA~~AA~~AC~~AC~~AC~~AT~~AT~~AC~~AT~~AC~~
AAT~~GG~~AA~~AC~~GA~~AA~~CA~~AG~~AS~~CC~~CT~~TC~~GA~~AA~~AA~~TA~~AC~~GG~~CC~~AA~~AT~~AC~~CT~~CA~~AA~~CT~~AT~~CT~~GA
TCT~~TT~~SC~~RA~~AA~~AC~~CT~~GA~~AA~~AA~~AC~~AC~~GA~~AA~~AT~~GG~~SS~~MM~~AG~~GG~~AT~~TT~~CC~~AT~~TT~~AA~~AA~~TA~~
AAT~~GG~~CT~~CT~~GG~~AA~~AA~~AC~~CT~~Q~~ACT~~AC~~CC~~AT~~AT~~CT~~CA~~AA~~AC~~CT~~GA~~AA~~AT~~CT~~GG~~AT~~CC~~CT~~
TC~~CT~~TA~~AC~~CC~~TT~~TA~~AC~~AA~~AA~~AT~~CA~~TT~~CA~~AG~~AT~~GG~~AT~~TT~~AA~~AG~~AT~~TT~~AA~~AC~~GT~~TA
GA~~CT~~TA~~AA~~CC~~AT~~AA~~AA~~AC~~CT~~TAG~~GA~~AG~~MM~~AC~~CT~~TAG~~SC~~AT~~AC~~CA~~TT~~CC~~AG~~GA~~CA~~
TAG~~GC~~CA~~TC~~GG~~CC~~CA~~AC~~CT~~TC~~AT~~CT~~CA~~AA~~AA~~AC~~CA~~AA~~AA~~AC~~CA~~TC~~GG~~CA~~AC~~AA~~AA~~AC~~
AC~~AA~~AA~~AT~~TG~~AC~~AA~~AT~~GG~~GA~~AT~~CT~~TA~~AA~~AA~~AT~~AC~~TA~~AA~~AS~~AC~~CT~~CT~~GC~~CA~~CA~~SC~~AA~~AA~~AG~~
AA~~AC~~CT~~AC~~CA~~TC~~CA~~AG~~GT~~GA~~AC~~GG~~CA~~AC~~CT~~AC~~AA~~AA~~AT~~GG~~GA~~AA~~AT~~TT~~TC~~GC~~AA~~A~~
C~~CT~~T~~ACT~~C~~AT~~CT~~GA~~CA~~AA~~AC~~CC~~TA~~AT~~AT~~CC~~CA~~GA~~AT~~CT~~CA~~AA~~CT~~CA~~ACT~~CA~~AA~~AC~~AA~~A~~
TT~~TA~~CA~~AA~~AA~~AA~~AA~~AA~~AA~~AA~~AA~~AA~~ GAM2
5

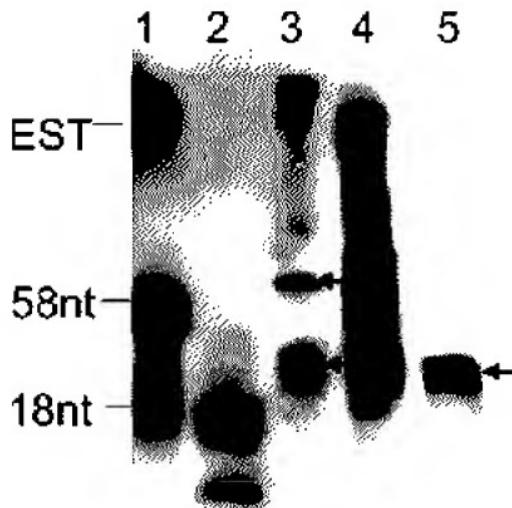
FIG. 13B



GAM25

GAM23

FIG. 13C



GAM25

FIG. 14A
dbEST Id. 1388749 (Image1020185) Sequence:

ACTCCTATCACAGTGTAAAAAGCATTCCTGTTCTCCATATCTTGCAGCATCTT
 TTCATTTTTTCAATTATAGCCATTCTGACTCTTCTCACATGCTCTCATCTCG
 TTTTGATTTGCATTTCTCAGATGATCAGTGAAGTTTTGGCTGGC
 TGCTATGTCAGCTCTTGTGAAAGTGTCTGTTGTGCTCTTGACCACTTCTAA
 TGGCCTTCAGTTTTCTCTTAATTCTTAACTTCTCTGAGATCTGCCAT
 ATTAGACCTTGTAGATGGATAGAGTCAGAAGCTTTCTCCATTCTGTAAGGTTG
 TCGGTTTACTCTGTGATAGTTCTTAATGCTGTGCAAGAGCTCTTAGTTAATT
 AGATCCCATTCTCAATTTCGCTTCTTGCATTTGGCATCTCTGCTCAT
 GAAATCTTGCCTTGCCTGTCATGGCATTGGCTAGGTTTCTTCAGGA
 TTTTATAGTTGGGTGAGATTTAAGTCTTAACTCTGAGTTAACCTT
 CTATATGCCCTAACGAAACGGGGCTTCAATTGCTGCAAATGGCTACCCACTTC
 TCCCCAGCACCATTTATAAATAGGGAAATCTTCCCATTGCTCCTTGTAGG
 TTTGTCAGAGATCACATGGTTGAGGTGTGTTGCTTATTTCTGGTTCTCTTAC
 TCTTCCATTGGCTATGGCCCTCTCTACCAACCACTATGCTCTTGGTACCA
 TAGTCTTGTAGAATGTTGAGGCTGGTAGCATGTCAGCTTGTCTCT
 TGCTAAGAAATGCTTGGCTATTGGCTCTTTGGTCCATATGAATTAAA
 ATAGCTTTCTAGCTCTAAACAATCTGAAATACTACTTTAATGGGCTACCAATT
 TAATTACAGAATTGCCCTGGCAGTGTGGTCATTTCACGATATTGATCCTTCCTG
 TCTGTGAGCATATGTTTCCATTGGTGTGTCATCTGATTTCCTTGAATAAT
GTTTATAGTTATCTTGGCAATTGTGAATGGGAGTTAACATGAGTTTCTCT
ATATTATACTCTTCTTGGCAATTGTGAATGGGAGTTAACATGAGTTTCTCT
CGGCTTGCCTGTTGGTATAGGAATGCTAGTGACTTTGCACATTGATTTC
TATCTGAGACTTCTGAAACTTGCTTACAGCTAACAGACTTTGAGCTGAGATC
ATGGAGTTTCTAGATATAGGATCATATCTGCAAACAAAGATAGTTGACTTC
CTGTCTTCCATTGAAATAGCTTTCTTCTTCTGCTGATTGCCCTGGTGA
CAATTCTAAACTCTGAAATAGGACTCTGAGCTGCTGCCAA

GAM
26

FIG. 14B

1 2 3 4 5 6 7



GAM26